

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072723\  
 Data File : VY014889.D  
 Acq On : 27 Jul 2023 17:56  
 Operator : SY/MD  
 Sample : 03756-14  
 Misc : 5.38g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RRTP-13-GRAB-25-(1.5-2)

Quant Time: Jul 28 02:38:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

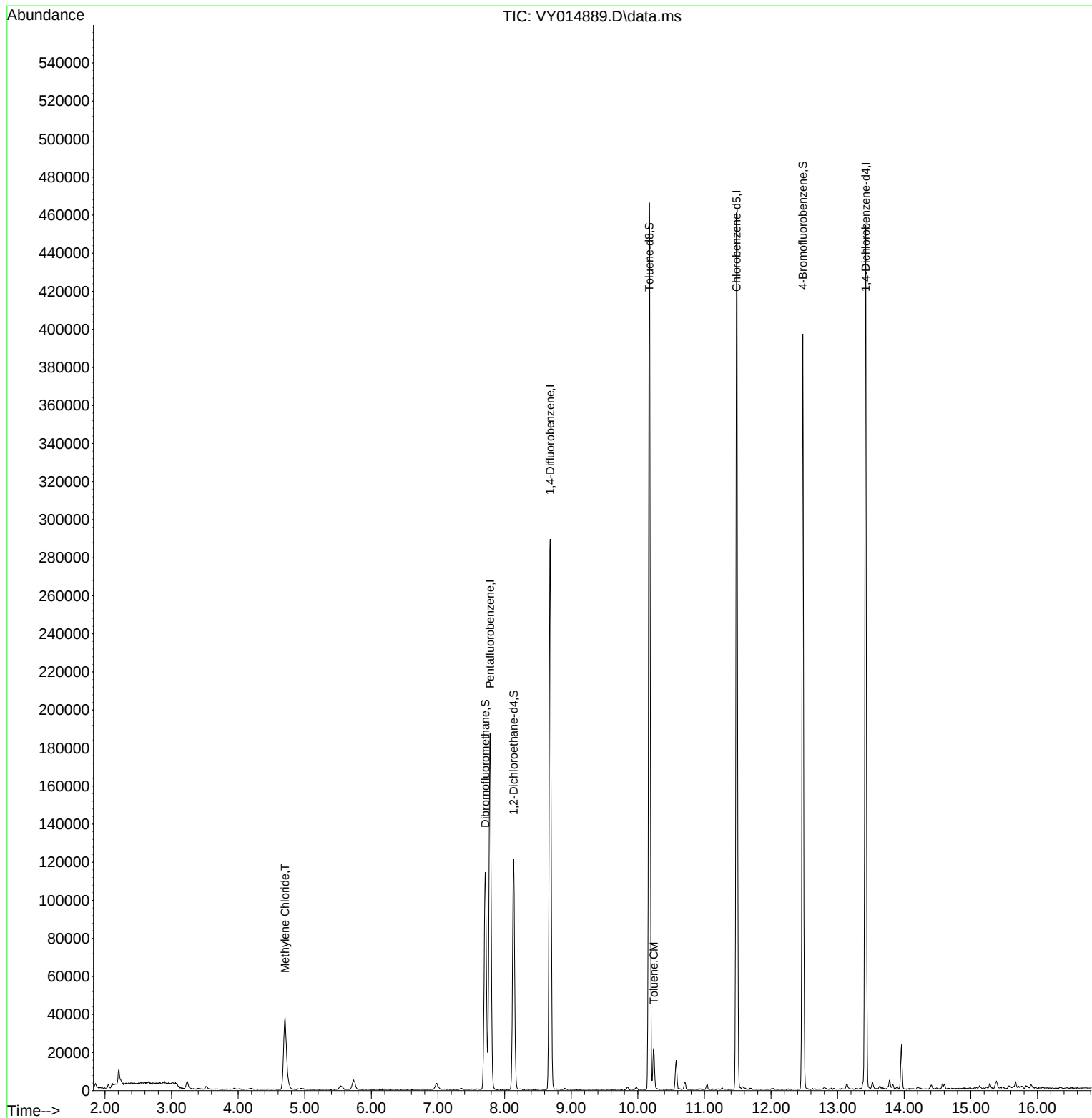
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783     | 168   | 144919   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 254917   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.483    | 117   | 242878   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 116010   | 50.000   | ug/l       | 0.00     |
|                             |           |       |          |          |            |          |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 94329    | 57.120   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 114.240% |          |
| 35) Dibromofluoromethane    | 7.710     | 113   | 81827    | 50.425   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 100.860% |          |
| 50) Toluene-d8              | 10.173    | 98    | 304155   | 50.839   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 101.680% |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 111857   | 48.761   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 97.520%  |          |
|                             |           |       |          |          |            |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 20) Methylene Chloride      | 4.704     | 84    | 28216    | 13.516   | ug/l       | 89       |
| 52) Toluene                 | 10.240    | 92    | 8821     | 1.997    | ug/l       | 96       |
| -----                       |           |       |          |          |            |          |

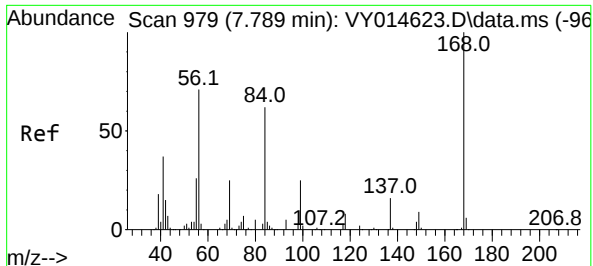
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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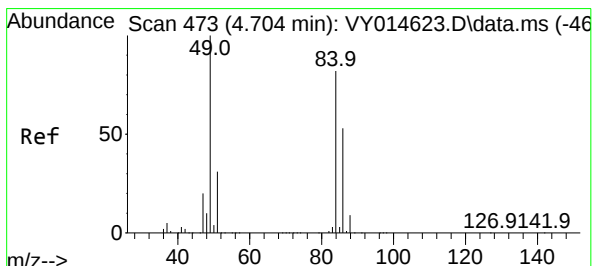
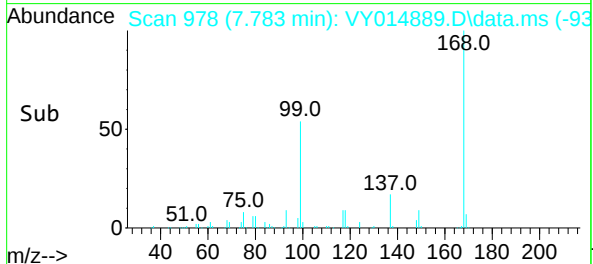
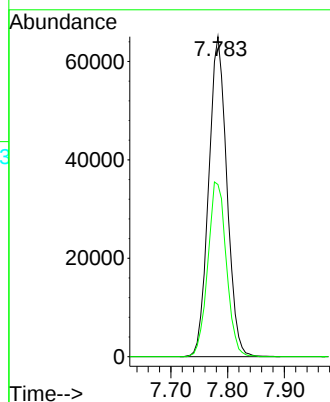
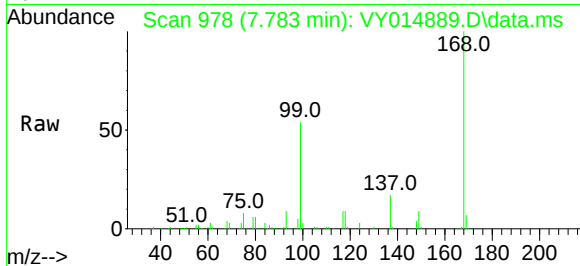




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014889.D  
Acq: 27 Jul 2023 17:56

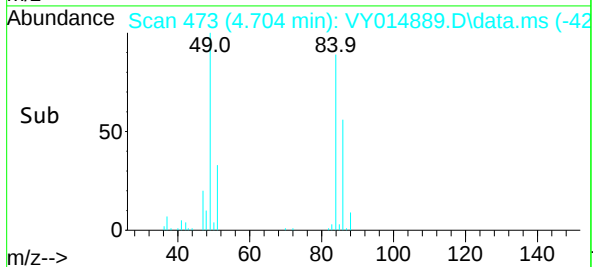
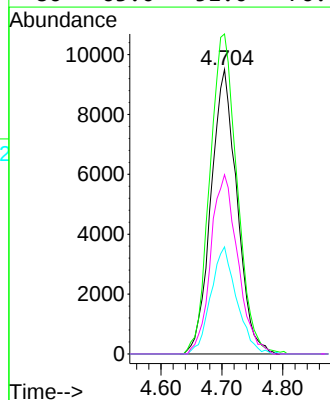
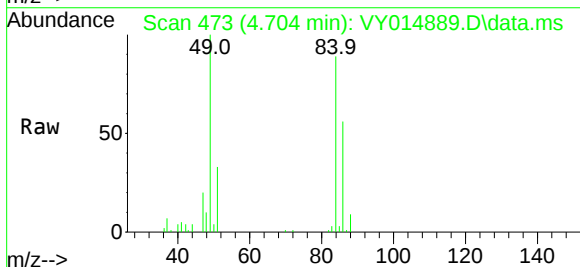
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RRTP-13-GRAB-25-(1.5-2)

Tgt Ion:168 Resp: 144919  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.4 65.0



#20  
Methylene Chloride  
Concen: 13.516 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY014889.D  
Acq: 27 Jul 2023 17:56

Tgt Ion: 84 Resp: 28216  
Ion Ratio Lower Upper  
84 100  
49 112.5 106.9 160.3  
51 37.6 33.2 49.8  
86 63.0 51.0 76.6

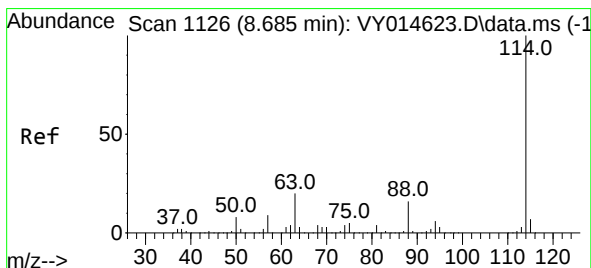
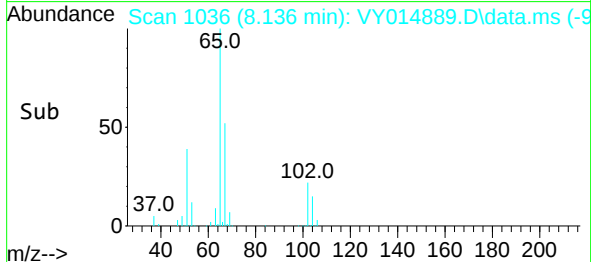
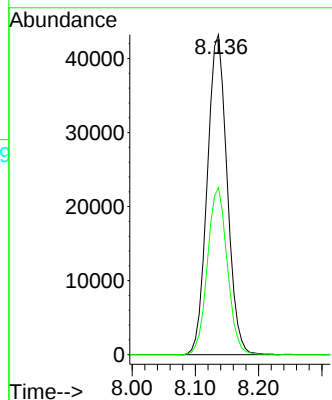
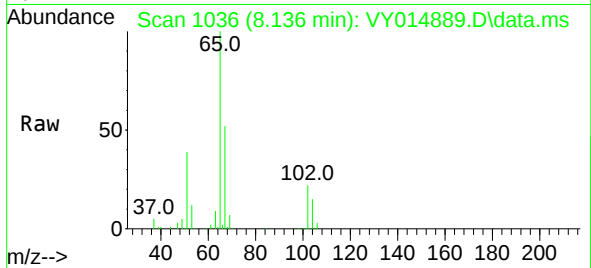




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.120 ug/l  
 RT: 8.136 min Scan# 1036  
 Delta R.T. 0.001 min  
 Lab File: VY014889.D  
 Acq: 27 Jul 2023 17:56

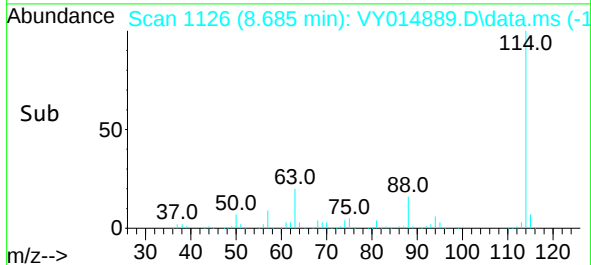
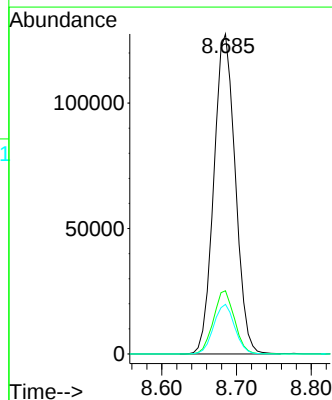
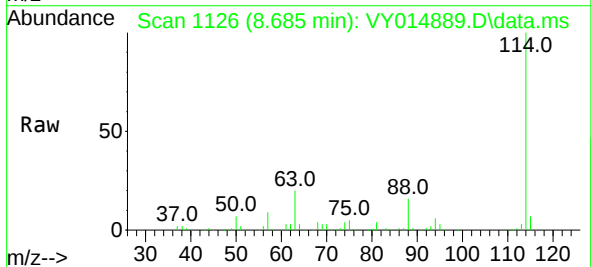
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RRTP-13-GRAB-25-(1.5-2)

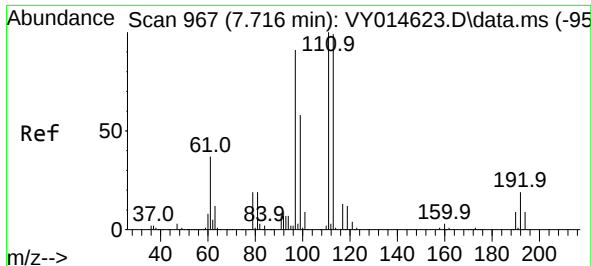
Tgt Ion: 65 Resp: 94329  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY014889.D  
 Acq: 27 Jul 2023 17:56

Tgt Ion: 114 Resp: 254917  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 42.4  
 88 15.5 0.0 30.6

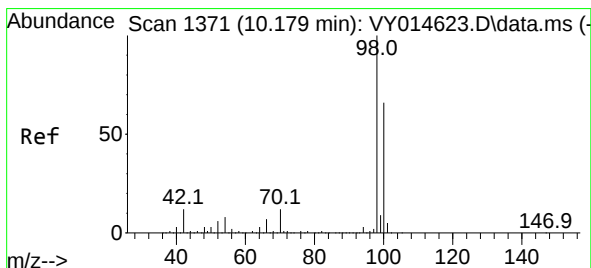
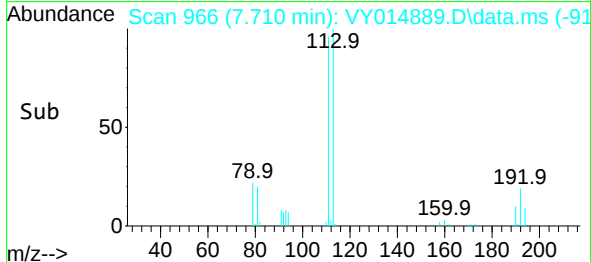
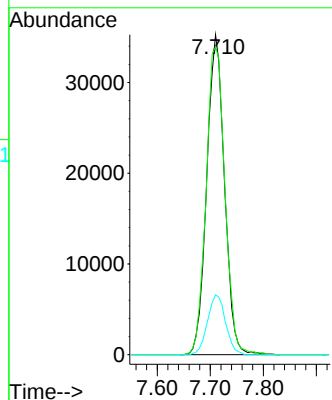
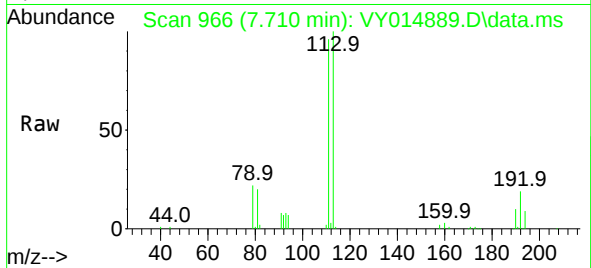




#35  
Dibromofluoromethane  
Concen: 50.425 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014889.D  
Acq: 27 Jul 2023 17:56

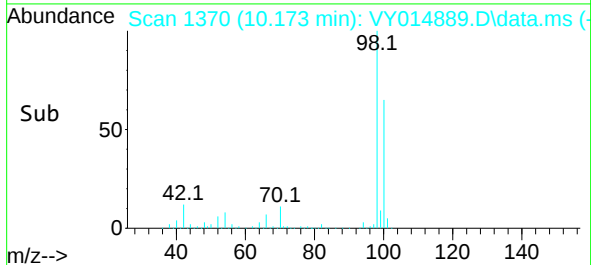
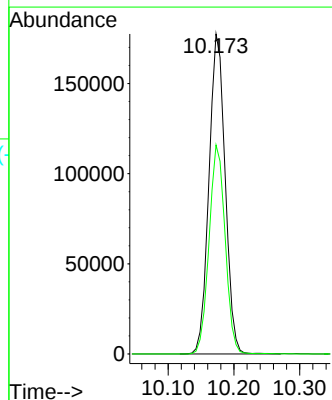
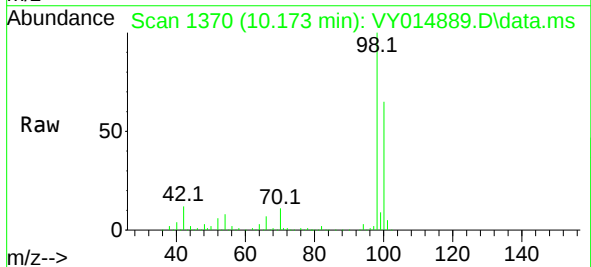
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RRTP-13-GRAB-25-(1.5-2)

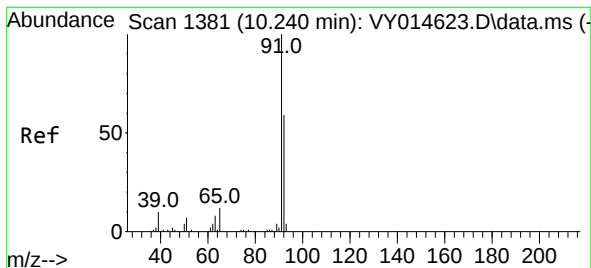
Tgt Ion:113 Resp: 81827  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.3 121.9  
192 19.0 16.9 25.3



#50  
Toluene-d8  
Concen: 50.839 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY014889.D  
Acq: 27 Jul 2023 17:56

Tgt Ion: 98 Resp: 304155  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.1 75.1





#52

Toluene

Concen: 1.997 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY014889.D

Acq: 27 Jul 2023 17:56

Instrument :

MSVOA\_Y

ClientSampleId :

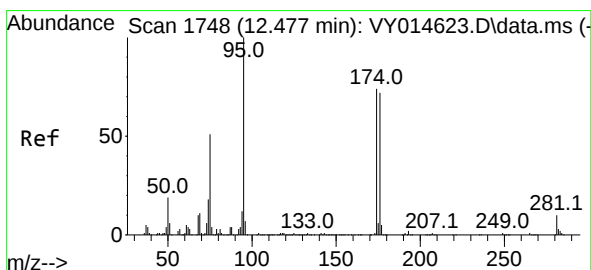
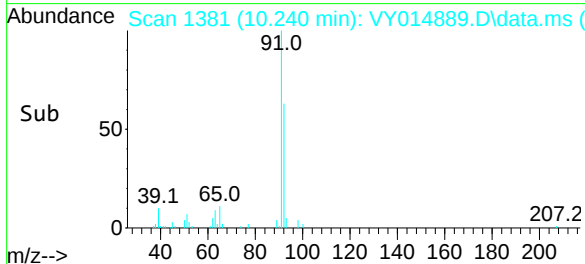
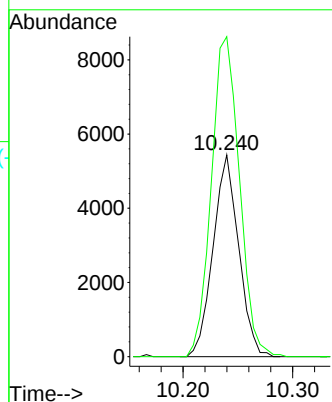
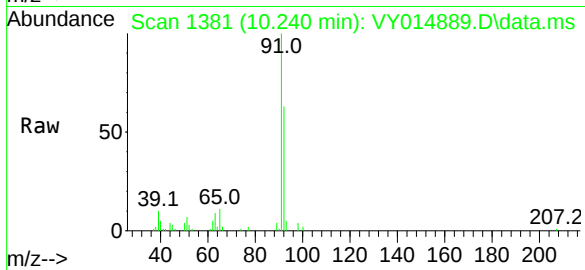
RRTP-13-GRAB-25-(1.5-2)

Tgt Ion: 92 Resp: 8821

Ion Ratio Lower Upper

92 100

91 173.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 48.761 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014889.D

Acq: 27 Jul 2023 17:56

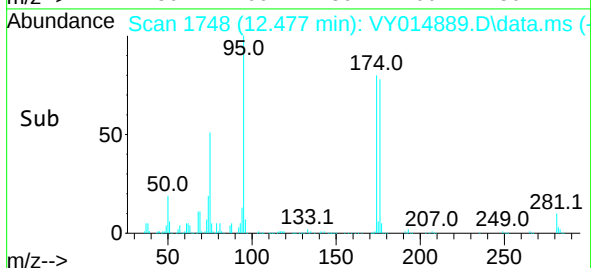
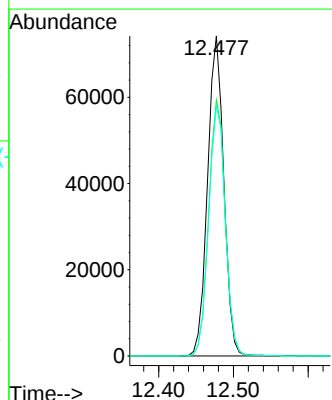
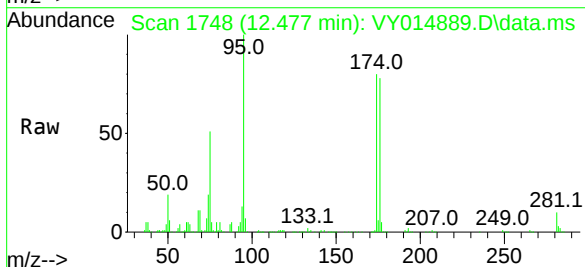
Tgt Ion: 95 Resp: 111857

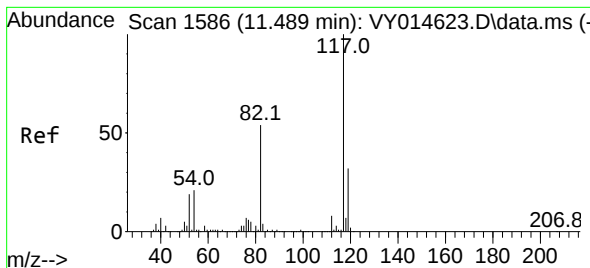
Ion Ratio Lower Upper

95 100

174 82.2 0.0 178.2

176 80.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014889.D

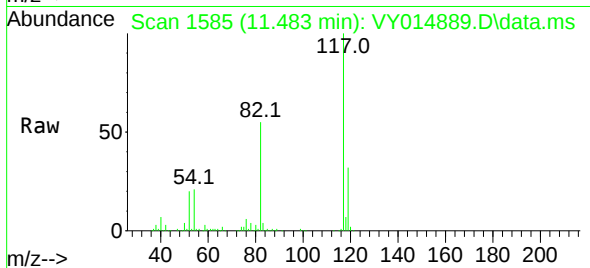
Acq: 27 Jul 2023 17:56

Instrument :

MSVOA\_Y

ClientSampleId :

RRTP-13-GRAB-25-(1.5-2)



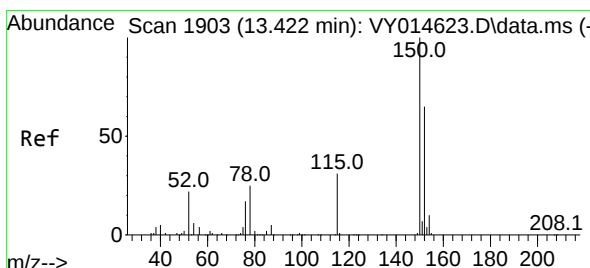
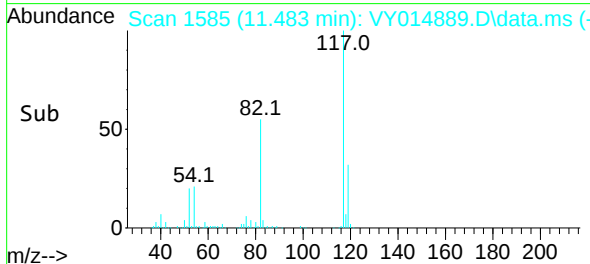
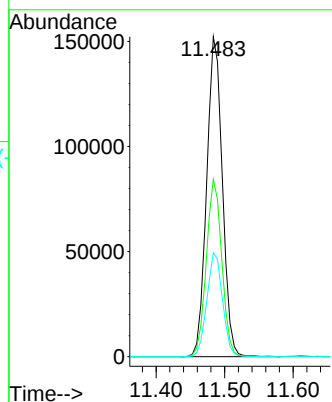
Tgt Ion:117 Resp: 242878

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014889.D

Acq: 27 Jul 2023 17:56

Tgt Ion:152 Resp: 116010

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 157.8 0.0 348.8

